

CEDB SERIES

■ Features

- Standard EDLC modules
- Energy storage solution
- Application for back-up of wind pitch system
- Higher energy density
- RoHS compliant



Items	Characteristics		
Rated Voltage	80-90V		
Operating Temperature Range	-40 ~+65°C		
Capacitance Range	9.6F~21.7F		
Capacitance Tolerance (25°C)	-0~+20%		
Temperature Characteristics	The specifications shall be met at category temperature range from -40°C to 65°C	Capacitance range	Within 30% of the value at 25 °C
		ESR	Less than 2 times of the initial specified value
High Temperature Loaded	The specifications shall be met after rated voltage applied at 65°C for 1000 hours	Capacitance range	Within 30% of the initial value
		ESR	Less than 2 times of the initial specified value
High Temperature Storage	The specifications shall be met after storage at 65 °C for 1000 hours	Capacitance range	Within 30% of the initial value
		ESR	Less than 2 times of the initial specified value
Cycle Life	The specifications shall be met after 1,000,000 cycles at 25 °C , cycle of charge/discharge from V_R to $1/2V_R$	Capacitance range	Within 30% of the initial value
		ESR	Less than 2 times of the initial specified value

Standard Ratings for CEDB Series

U_R (Surge Voltage) Code	Rated Cap. 25°C (F)	ESR _{DC} (mΩ)	Leakage Current (72hrs) (mA)	Max. Peak Current (1s) (A)	Size ΦLxWxH (mm)	Weight (Kg)	P/N
(v)	(F)	(mΩ)	(mA)	(A)	(mm)	(Kg)	-
80	21.7	70	60	440	465 x 150 x 207	9.5	CEDB080216R
90	9.6	130	30	220	305 x 112 x 270	7.5	CEDB090965R
	11.1	130	30	220	305 x 112 x 270	7.5	CEDB090116R
	13	130	30	220	305 x 112 x 270	7.5	CEDB090136R
	19.4	75	60	440	410 x 150 x 211	11	CEDB090196R